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PROVISIONAL PATIENT MOVEMENT and SELECTIVE ADMINISTRATIVE DATA, STATE and COUNTY MENTAL HOSPITALS, by STATE: UNITED STATES, 1977

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Introduction

This Note describes patient movement and selective administrative data for State and county mental hospitals[1] based on the reporting of these hospitals on the January 1978 Inventory of Mental Health Facilities (ADM 25-1).[2] The universe consisted of 297 State mental hospitals which were in operation one or more months of reporting year 1977[3] in the 50 States and D.C. (excluding Puerto Rico). Of these 297, 277 were under State auspices and the remaining 20 were under county auspices (13 in Wisconsin, 5 in New Jersey and 2 in Michigan). Seventeen of the hospitals were children's hospitals (6 percent), 16 (5 percent) were security hospitals, i.e., hospitals exclusively for the "criminally insane" and the remaining 264 (89 percent) were "traditional" hospitals, i.e., not limited exclusively to a specific clientele.

Of the 297 State mental hospitals, 279 (94 percent) submitted inventories. However, for most of the data emphasized in this report estimates of particular items were made for hospitals that either did not respond or did not report a particular item.[4]

Definitions of terms used in this Note are given in the Appendix. Footnotes are given on pages 14 through 18.

Findings - 1977-78

A. Service Settings. -- By definition State mental hospitals provide services in an inpatient setting, but nearly half (48 percent) of the hospitals provided services in at least one other setting. More specifically the combinations of settings in which services were provided was as follows: 155 hospitals (53 percent) provided services in an inpatient setting only; 36 hospitals (12 percent) provided services in both inpatient and outpatient settings; 22 hospitals (7 percent) provided services in both inpatient and partial hospitalization settings (day, night, or weekend) and 84 (28 percent) provided services in all three types of settings (table 1).

There were also differences among States in the number of hospitals providing services in multiple settings. For example, 31 (82 percent) of the 38 State mental hospitals in New York provided services in inpatient, outpatient and day treatment settings as compared to only 1 of 20 (5 percent) in Pennsylvania and 1 of 18 hospitals (6 percent) in Ohio (table 1).

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NATIONAL INSTITUTE OF MENTAL HEALTH • Division of Biometry and Epidemiology • Survey and Reports Branch

B. Inpatient Beds. -- As of the third week in January 1978 there were an estimated 184,079 inpatient beds set up and staffed for use in State mental hospitals, a rate of 85 State mental hospital beds per 100,000 population 5/ (tables 2 and 3).

New York had the most beds, 31,687 (17 percent of total) followed by Pennsylvania with 14,877 (8 percent)(table 3). Excluding D.C. which serves a large proportion of nonresidents in its "State" hospital 6/, the bed rate per 100,000 population ranged from 28 for Utah to 215 for New York.

As shown in table A State mental hospitals accounted for over 61 percent of all inpatient beds in psychiatric facilities as of January 1978.

Table A. Number, percent distribution, and rate per 100,000 civilian population of psychiatric beds by facility type: United States, January 1978

Facility type	Number	Percent distribution	Rate per 100,000 civilian population 4/
All facility types.....	301,011	100.0%	139.6
State & county mental hospitals.....	184,079	61.2	85.4
Veterans Administration psychiatric hospitals.....	33,796	11.2	15.7
Private/nonprofit psychiatric hospitals.....	16,637	5.5	7.7
Federally funded community mental health centers (CMHCs).....	14,816	4.9	6.9
Residential treatment centers for emotionally disturbed children (RTCs).....	20,071	6.7	9.3
Non-Federal general hospital psychiatric units.....	29,384	9.8	13.6
Other multiservice mental health facilities.....	2,228	0.7	1.0

A further description of the distribution of psychiatric (including State mental hospital) beds in January 1978 by DHHS Region and State has been published. 7/

C. Inpatients at the End of the Year. -- There were an estimated 159,405 inpatients in State mental hospitals at the end of the 1977 reporting year. 3/ This is a net decrease of 10,646 (6 percent) from the 170,051 patients estimated at the beginning of the reporting year. This decrease results from the fact that discontinuations (415,314), which excludes deaths either in the hospital or on short-term leave (9,597), exceeded the number of additions during the year (table 4).

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The rate of inpatients in State mental hospitals at the end of the 1977 reporting year for the U.S. was 74 inpatients per 100,000 civilian population. 5/ The median rate for the 50 States and D.C. was 67 (table 5). Excluding D.C., New York had the largest inpatient rate (169 per 100,000 State population) with Rhode Island second (145 per 100,000 civilian State population). The lowest inpatient rates were reported by Arkansas, Hawaii, and Wyoming all with 16 per 100,000 State population. Chart A shows which includes data by State, displays the range of inpatient rates, nationwide for 1977.

D. Inpatient Additions. -- Additions to State mental hospitals during 1977 numbered 414,507, a rate of 192 per 100,000 civilian population (tables 4 and 5). Excluding D.C., 6/ the addition rate per 100,000 population ranged from 53 (Utah) to 649 (Georgia) with a median of 191 (table 5). Chart B summarizes the variations by State with regard to additions per 100,000 population.

The ratio of discontinuations plus deaths per 1,000 additions is an index of patient movement. Since transfers to and from other hospitals in the State mental hospital systems are nearly equal (table 4), a ratio which is greater than 1,000 indicates a decreasing patient population; conversely a value less than 1,000 indicates an increasing patient population. In all States except 11 (Colorado, Florida, Iowa, Michigan, Missouri, Nebraska, North Carolina, North Dakota, Rhode Island, Utah and Wyoming) discontinuations plus deaths exceeded additions, i.e., the patient population decreased (table 5).

E. Outpatient and Day Treatment Additions. -- Although the inpatient modality is the primary care setting in State mental hospitals, 60 percent of the States have at least one State mental hospital which provides treatment in an outpatient setting. There were 106,912 additions to the 120 State mental hospital outpatient settings. The 32 hospitals in New York accounted for 29,652 (28 percent) of all outpatient additions (table 6).

Nearly 56 percent of the States have at least one hospital with a day treatment setting. The 104 day treatment settings had 10,631 additions. New York hospitals accounted for one-third of the State mental hospitals with a day treatment setting and over one-half of the additions to this setting.

F. Staff. -- A total of 209,919 full-time equivalent (FTE) staff were employed in State mental hospitals as of a sample week in January 1978. Of the total, 64 percent were patient care staff, i.e., all disciplines other than administrative and maintenance staff. North Dakota had the highest proportion of patient care staff as percent of total staff (72 percent); Arkansas the lowest (50 percent)(table 7).

G. Expenditures. -- Estimated total expenditures for State mental hospitals in 1977 --- $3.33 billion; maintenance expenditures, i.e., total expenditures less capital expenditures, were $3.23 billion (table 8). The average total maintenance expenditures per patient day was $55.18. 8/

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CHART A. **Inpatients at end of year in State and county mental hospitals per 100,000 population, by State: United States, 1977**

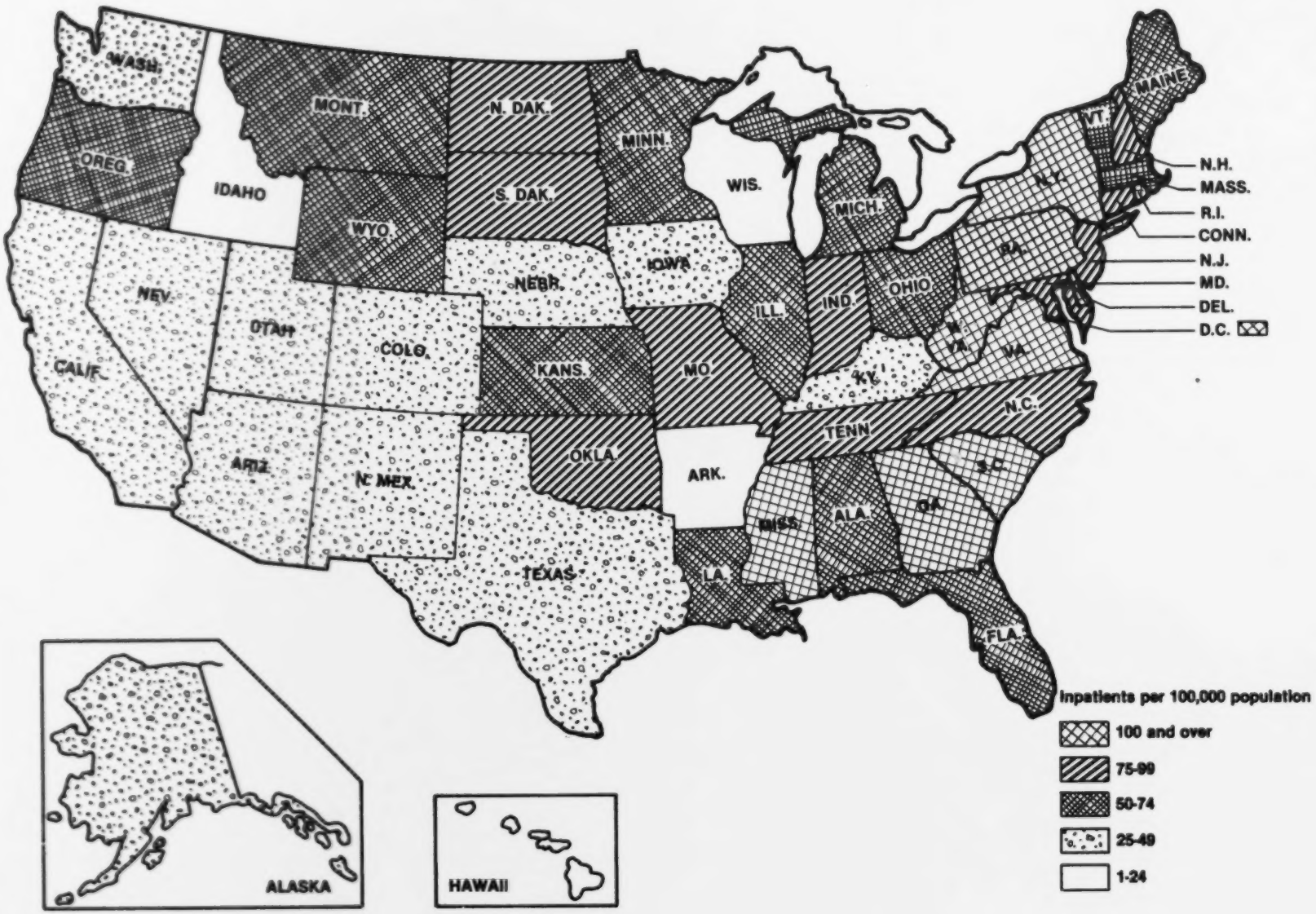

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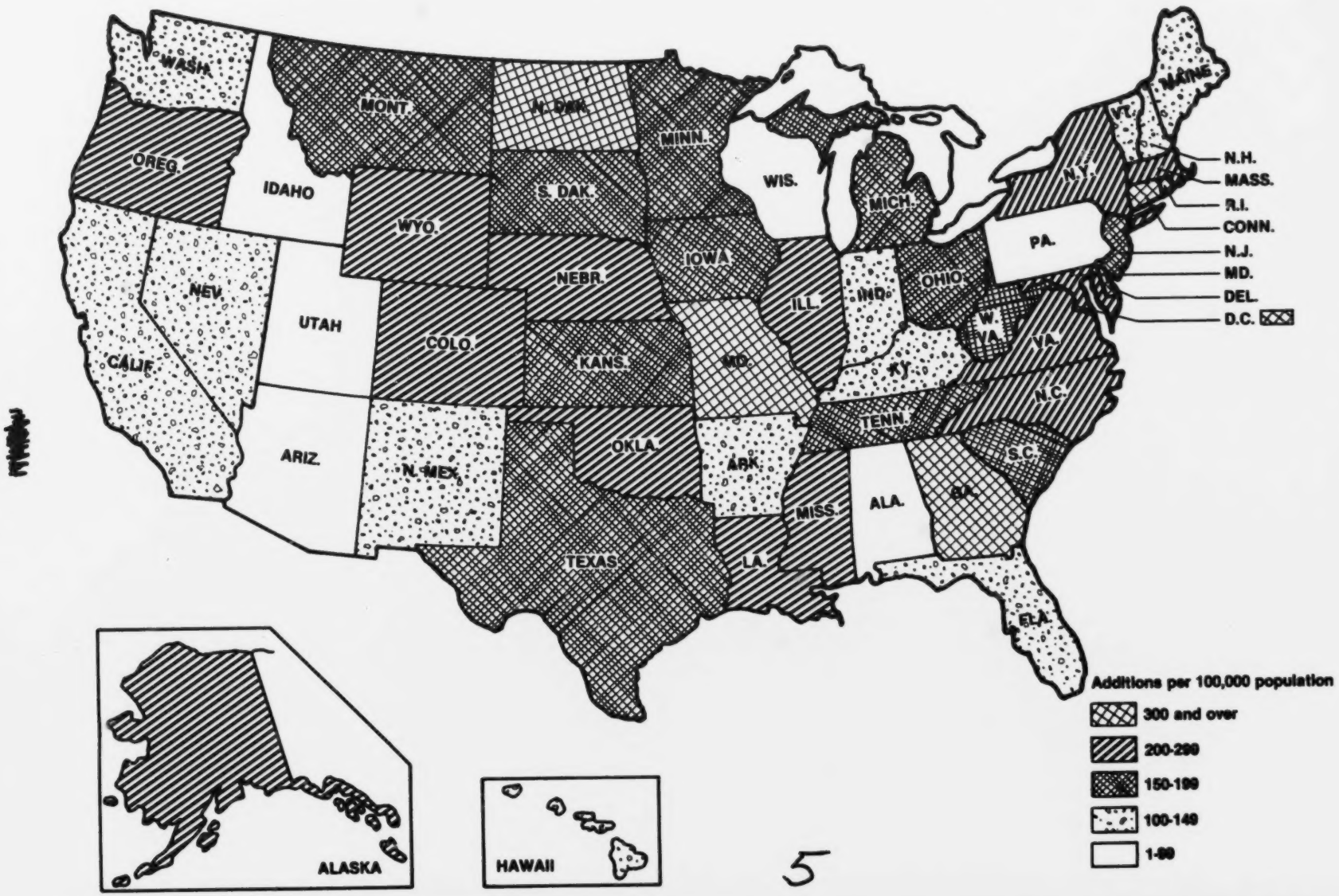
CHART B. Additions to State and county mental hospitals per 100,000 population, by State: United States, 1977



Trends in State and County Mental Hospitals 1970-1978

In this Section national and State trends over the last 7-10 years are presented in order to illustrate the reduction in the utilization of State mental hospitals that has occurred in this decade. Table B shows the national trends while tables 2, 3, 9, and 10 show trends by State for the period 1971-77. Information on numbers of beds, additions and resident patients by State for years prior to 1977-78 have been published. 2/ 7/ 9/

Number of Hospitals and Inpatient Beds. -- As of January 1978 there were 184,079 inpatient beds set up and staffed for use in State mental hospitals, a decrease of 49 percent from the estimated 361,578 beds in these hospitals in January 1972 and a decrease of 8 percent from the 201,108 estimated beds as of January 1977 (table B).

Some of the decrease in the number of beds was due to a decrease in the number of hospitals (from 321 in 1970-71 to 297 in 1976-77). 10/ However, as is shown in table A a substantial part of the decrease in the number of beds in State mental hospitals results from a reduction of beds in existing hospitals rather than to the closing of hospitals.

Between January 1972 and January 1978 the number of beds in State mental hospitals per 100,000 population decreased in all States (table 3). For the United States the decrease in the rate over this time period was 51 percent. In all States except seven the percent decrease equalled or exceeded 30 percent.

In a two year period--1976-1978--the bed rate decreased 18 percent for the United States and an increase appeared in only 2 States, namely Oregon and Utah (table 3).

Inpatients at End of Year. -- At the end of 1977 there were 159,405 inpatients in State mental hospitals in the United States or nearly half the 308,983 inpatients at the end of 1971 (table B). The corresponding rates per 100,000 population in this time period decreased from 151 to 74 (51 percent). The decrease between 1976 and 1977 extends the long succession of annual decreases in the number and rate of inpatients that has occurred since 1956. 9/

Table 9 and Chart C document the changes in the number of inpatients by State from 1971-77. In all States except 1 (Utah) the number decreased. The rate of change in the numbers is illustrated in Chart C.

Although some of the decrease in the number of inpatients in recent years has been the result of hospital closings, the decrease is largely due to the reduction of patient populations in existing hospitals. An examination of numbers of inpatients in a cohort of 251 hospitals which reported in all years 1971-75 shows that of the total decrease of 117,588 in the number between 1971 and 1975, 99,235 (84 percent) were accounted for by existing hospitals. Although no data are available for the cohort subsequent to

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Table B. Selected trend data for inpatient treatment in State and county mental hospitals: (1) all hospitals, and (2) cohort of 251 hospitals a/: United States, 1971-78

Selected inpatient indices	Year						
	1971	1972	1973	1974	1975	1976	1977
				Number			
All hospitals							
Beds b/.....	361,578	- - -	279,224	- - -	222,202	201,108	184,079
Inpatient additions	474,923	460,433	422,530	434,345	433,529	413,559	414,507
Inpatients at end of year.....	308,983	274,837	248,518	215,586	191,395	170,619	159,405
Number of hospitals	321	327	334	323	313	300	297
				Rate per 100,000 population			
All hospitals							
Beds a/.....	173	- - -	132	- - -	105	89	85
Inpatient additions	233	224	214	208	206	194	192
Inpatients at end of year.....	151	133	119	103	91	80	74
				Number			
Cohort of 251 hospitals							
Beds b/.....	308,324	274,797	246,683	219,137	198,331	- - -	- - -
Inpatient additions	443,359	419,036	398,202	392,257	410,475	- - -	- - -
Inpatients at end of year.....	271,552	236,065	216,192	193,954	172,317	- - -	- - -

a/ The cohort includes hospitals which were in operation and provided information for all years 1971-75.

b/ For beds the analogous time period is January 1972-78.

- - - Data not available.

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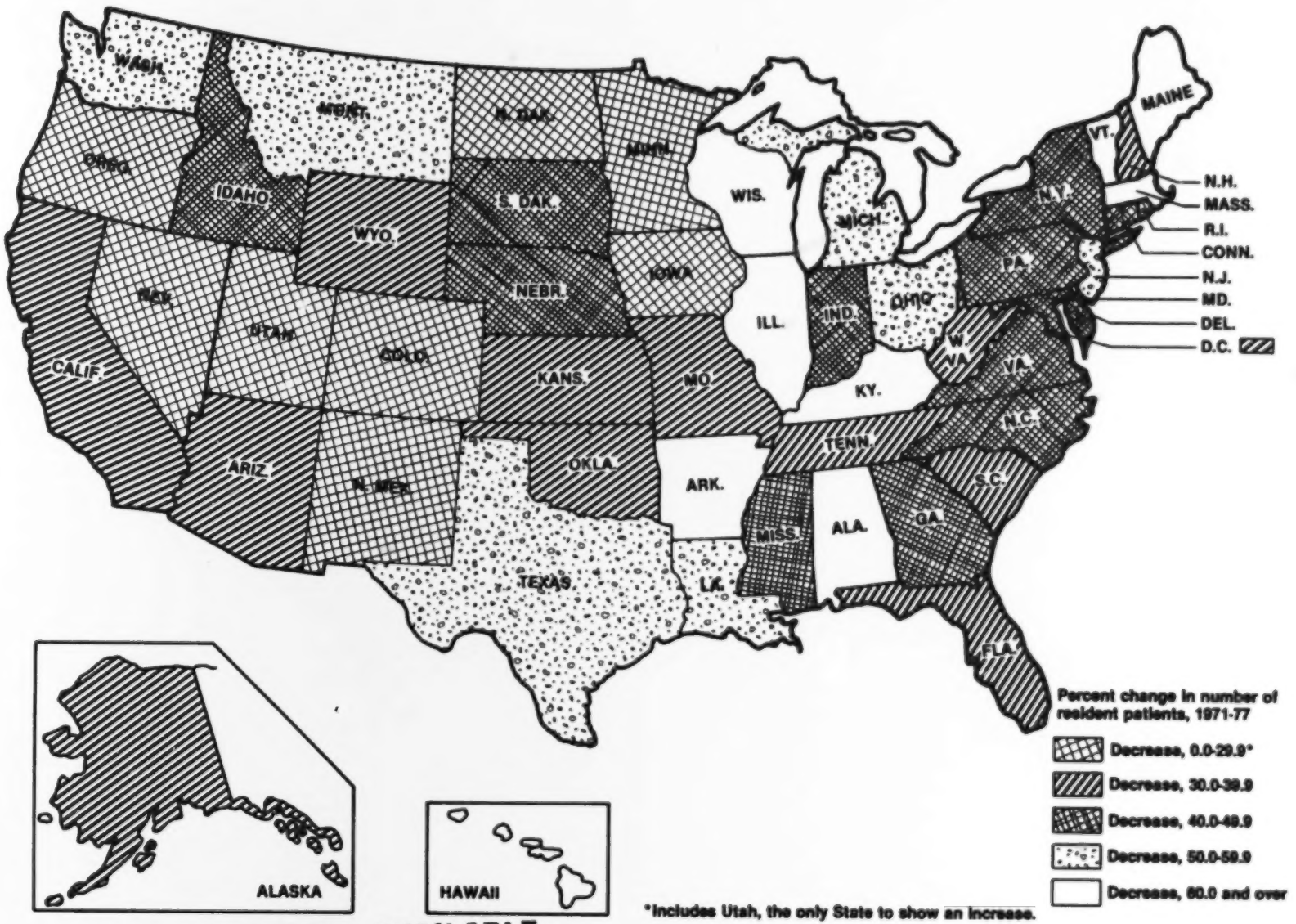
CHART C. Percent change in the number of resident patients at the end of the year in State and county mental hospitals, by State: United States, 1971 and 1977



*Includes Utah, the only State to show an increase.

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1975, the disproportionate reduction in the numbers of inpatients in existing rather than in closed hospitals most likely still prevails since there are only 15 fewer hospitals in 1977 as compared with 1975 (table B).

A combination of medical, economical, organizational and political factors have contributed to the long-term decline in the number of patients in State mental hospitals, e.g.,:

(1) The introduction of psychotropic drugs has contributed to reduced length of stay;
(2) Improved admission procedures have served to reduce inappropriate admissions;
(3) Community-based resources such as nursing homes, halfway houses, community mental health centers and psychiatric programs in general hospitals have provided alternatives to hospitalization at a State mental hospital;
(4) Changes in State legislation regarding commitment and retention have tended to limit involuntary admissions;
(5) Deliberate administrative efforts to reduce patient populations have been instituted.

However, it should be emphasized that the extent to which each of these factors have had in reducing State mental hospital populations is unknown.

Inpatient Additions. -- In contrast to a decrease which has been taking place in the number of inpatients at the end of a given year, the number of additions to State mental hospitals began to decrease for the first time in the early 1970's and continued to decrease in each year through 1976. As with resident patients and beds, most of the decrease between 1971 and 1975 was due to a reduction in the number of additions in hospitals which operated throughout the period rather than from the closing of hospitals. However, from the 1976 to 1977 there was a slight increase in the number of inpatient additions 11/ (table B). The reason for this increase has not been determined.

Table 10 and Chart D show the percent change in the number of inpatient additions by State between 1971 and 1977. Of the 50 States and D.C., 14 showed increases and 37 decreases (Chart D).

Deaths. -- Concomitant with the decrease in the number of inpatients it is not surprising that the number of deaths in State mental hospitals has also been decreasing. There were 9,597 deaths either in State mental hospitals or on short-term leave in 1977 as compared with 10,922 in 1976 (table C) a decrease of 12 percent. The number of deaths per 1,000 average resident patients decreased from 61 in 1976 to 60 in 1977. As recently as 1970 there were 30,804 deaths in State mental hospitals (table C).

Maintenance Expenditures per Patient Day. -- Table D examines trends in daily maintenance expenditures per resident patient for inpatient treatment in State mental hospitals between 1967 and 1977 and illustrates the

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CHART D. Percent change in the number of additions to State and county mental hospitals, by State: United States, 1971 and 1977

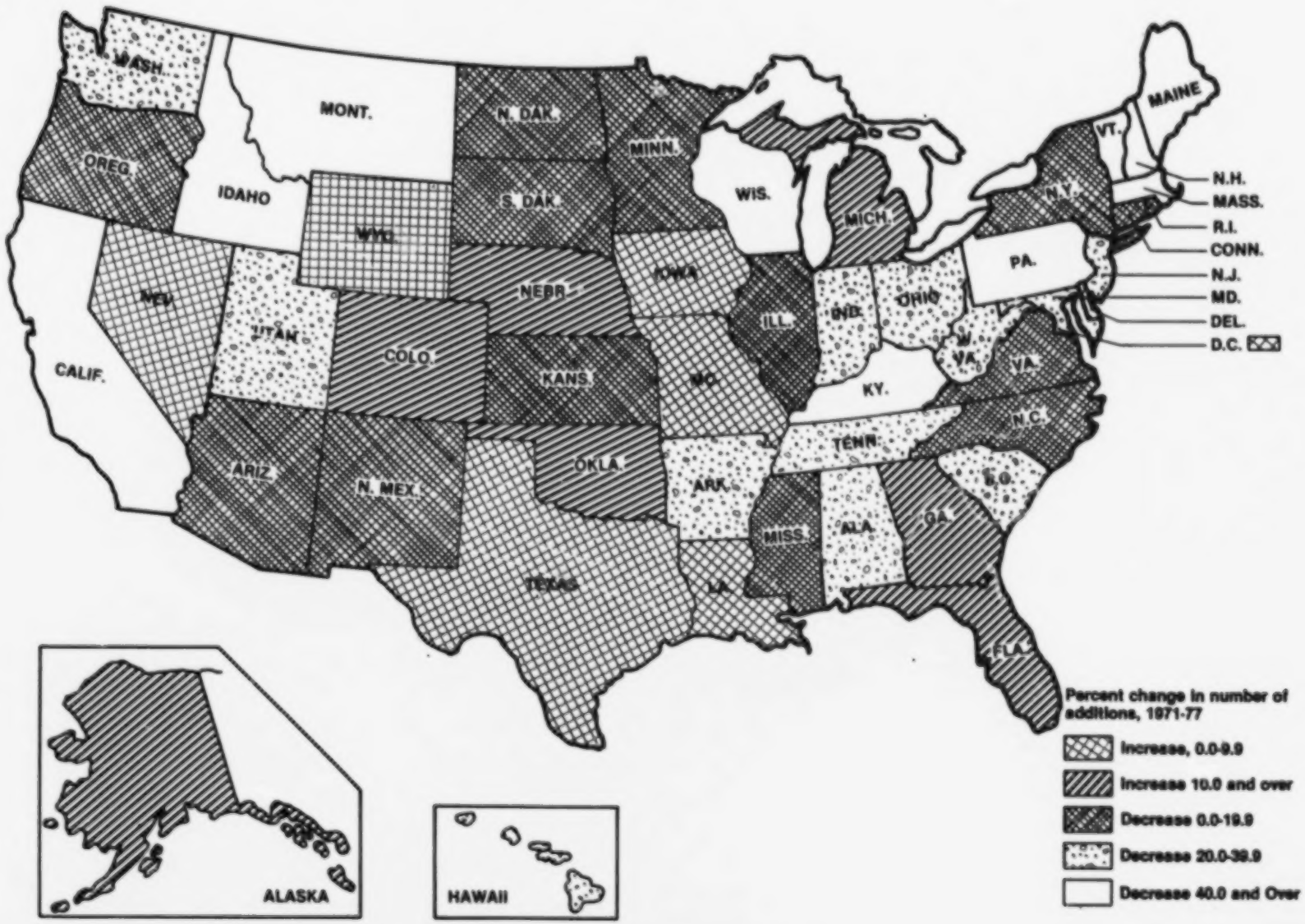

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Table C. Number of deaths a/ and death rate per 1,000 average resident patients in inpatient treatment at State and county mental hospitals: United States, 1970-1977

Fiscal year	Number of deaths a/	Rate per 1,000 average resident patients
1970	30,804	87
1971	26,835	92
1972	23,282	79
1973	19,899	76
1974	16,597	72
1975	13,401	66
1976	10,922	61
1977	9,597	60

a/ Includes deaths either in hospital or when on short-term leave.

effects of inflation on these expenditures incurred in the specific years; constant dollars are the expenditures that would have occurred if inflation were eliminated completely or, in other words, expenditures that would have resulted if equivalent goods and services that were purchased for $100 in base year 1967 could be purchased for the same amount in 1977. Table D assumes that the rate of inflation for inpatient treatment expenditures in State mental hospitals was the same as that for services included in the medical care component of the consumer price index.

Expressed in current dollars, daily maintenance expenditures per resident patient rose from $8.84 in 1967 to $56.47 in 1977. The increase during this interval, expressed in constant dollars, was only from $8.84 to $27.90 (table D). Thus $28.57 ($56.47 minus $27.90) is the amount due to inflation.

Table D. Daily maintenance expenditures per resident patient expressed in current and constant (1967) dollars, inpatient treatment of State and county mental hospitals: United States, 1967-1977

Reporting year	Index a/	Daily maintenance expenditures per resident patient	
		Current dollars	Constant dollars
1967	100.0	$ 8.84	$ 8.84
1968	106.1	10.47	9.87
1969	113.4	12.59	11.10
1970	120.6	14.89	12.35
1971	128.4	17.59	13.70
1972	132.5	20.68	15.61
1973	137.7	25.20	18.30
1974	150.5	30.86	20.50
1975	168.6	37.54	22.27
1976	184.7	43.55	23.58
1977	202.4	56.47	27.90

a/ Medical care component of the consumer price index, 1967 = 100.

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Staff. 12/ -- The number of total FTE staff employed in State mental hospitals decreased from 223,886 in January 1972 to 205,288 in January 1978 (7 percent) (table E). In the same time interval the number of professional patient care staff increased 17 percent while the number of other patient care staff decreased and administrative and maintenance personnel decreased. Contributing to the increase in the overall professional patient care staff between 1972 and 1978 were increases in the number of FTE psychologists, social workers, and registered nurses. As a result each of these three disciplines comprised a higher proportion of FTE total staff in 1978 as compared with 1972. Moreover each of these three disciplines has comprised a progressively higher proportion of total FTE staff over time (table E).

The number of FTE psychiatrists and other physicians both decreased. This could indicate that State mental hospitals may not be able to pay salaries to attract and keep physicians and that other core disciplines such as psychologists and social workers may have taken over some tasks that were formerly performed by psychiatrists and other physicians.

The decrease over time in the number of FTE patient care staff other than professional employees, which includes LPNs, LVNs as well as aides, orderlies, and attendants occurred along with sharp decreases in the number of inpatients. This is consistent with the growth in numbers of certain professional patient care staff have increased in hospitals in order to provide improved psychiatric "treatment" while reducing staff needed to physically care for patients.

The decrease in administrative and maintenance staff between 1972 and 1978 is due to hospital closings as well as the reduction in the size of wards in existing hospitals, and the increasing use of patients as paid employees in place of nonpatients. Employees who are patients have been excluded from the information presented in table E.

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Table E. Number and percent distribution of full-time equivalent staff by discipline, State and county mental hospitals, United States January 1972, 1974, 1976, and 1978

Discipline	Number				Percent distribution				Percent change in number	
	1972	1974	1976	1978	1972	1974	1976	1978	1972-1978	1976-1978
Total all staff.....	223,886	227,282	219,006	205,288	100.0%	100.0%	100.0%	100.0%	- 8.3	- 6.3
Total patient care staff.....	138,307	146,938	141,127	131,186	61.8	64.7	64.4	63.9	- 5.1	- 7.0
Total professional patient care staff.....	38,516	46,584	46,596	45,131	17.2	20.5	21.3	21.9	+17.2	- 3.1
Psychiatrists.....	4,389	4,714	4,333	3,712	2.0	2.1	2.0	1.8	-15.4	-14.3
Physicians, nonpsychiatrist	2,440	2,286	2,047	1,809	1.1	1.0	0.9	0.9	- 5.9	-11.6
Psychologists.....	2,484	3,045	3,039	3,149	1.1	1.4	1.4	1.5	+26.8	+ 3.6
Social workers.....	5,324	5,934	5,948	5,924	2.4	2.6	2.7	2.9	+11.3	- 0.4
Registered nurses.....	13,353	14,398	15,098	14,859	5.9	6.3	6.9	7.2	+11.3	- 1.6
Other mental and physical health professionals.....	10,526	16,207	16,131	15,678	4.7	7.1	7.4	7.6	48.9	- 2.8
Other patient care staff.....	99,791	100,354	94,531	86,055	44.6	44.2	43.1	42.0	-13.8	- 9.0
LPNs, LVNs.....	12,277	8,971	7,458	8,323	5.5	4.0	3.4	4.1	-32.2	+11.6
Other.....	87,514	91,383	87,073	77,732	39.1	40.2	39.7	37.9	-11.2	-10.7
Administrative and maintenance staff.....	85,579	80,344	77,879	74,102	38.2	35.3	35.6	36.1	-13.4	- 4.8

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Footnotes

1/ Since county mental hospitals exist in only three States (New Jersey, Michigan, and Wisconsin) and function as though they were part of the State mental hospital system, the shorter term "State mental hospitals" will be used throughout the remainder of this report. St. Elizabeth's Hospital in D.C. is also counted as a State hospital even though it is operated by the Federal Government.

2/ In addition to the Inventory of Mental Health Facilities (Inventory) the Division of Biometry and Epidemiology has used several other sources to obtain patient movement and administrative data about State and county mental hospitals in recent years. These are the Preliminary Survey of State and County Mental Hospitals and the Annual Census of State and County Mental Hospital Inpatient Services.

The purpose of the Preliminary Survey, which was discontinued after 1975 since it is similar to the Inventory, was to obtain information on additions, resident patients, full-time equivalent patient care staff, and maintenance expenditures in inpatient settings of State and county mental hospitals at an earlier point in time than either the Inventory or the Annual Census. The Preliminary Survey differed from the Inventory in these important aspects as follows:

(1) The information for the Preliminary Survey was collected at an earlier date than the Inventory for the same reporting year.
(2) The information for the Preliminary Survey was completed by the State mental health offices, while information on the Inventory was completed by the hospitals themselves.
(3) Full-time equivalent staff and maintenance expenditures were obtained for only inpatient settings on the Preliminary Survey while on the Inventory these data items were obtained for the entire hospital.

The two most recent NIMH reports which present data derived from the Preliminary Survey are as follows:

National Institute of Mental Health. "Provisional Patient Movement and Administrative Data, State and County Mental Hospital Inpatient Services July 1, 1973 - June 30, 1974." Statistical Note 114, April 1975.

National Institute of Mental Health. "Provisional Patient Movement and Administrative Data, State and County Mental Hospital Inpatient Services, July 1, 1974 - June 30, 1975." Statistical Note 132, July 1976.

Since the Preliminary Survey was discontinued in 1975 an update of Statistical Note 132, which presented information for 1976, was based on data derived from the Inventory of Mental Health Facilities and is referenced as follows:

National Institute of Mental Health. "Provisional Patient Movement and Selective Administrative Data, State and County Mental Hospitals, by State: United States, 1976." Statistical Note 153, August 1979.

The Annual Census which is sent to the State mental health offices for completion, collects information on inpatients and additions by age, sex, and diagnosis. The additions and resident patients in the Inventory are reconciled within a certain tolerance with results obtained in the Census.

Estimates of additions and resident patients for certain States will differ from comparable estimates for 1977 based on data collected in the Annual Census. For trends in annual additions and resident patients for the years 1971-75 based on the Annual Census, see these publications as follows:

National Institute of Mental Health. "State Trends in Additions - State and County Mental Hospital Inpatient Services 1971-1975." Statistical Note 149, June 1978.

National Institute of Mental Health. "State Trends in Resident Patients - State and County Mental Hospitals Inpatient Services 1971-1975." Statistical Note 150, June 1978.

3/ Of the 297 hospitals included on the Inventory all but the following used the year ending June 30, 1977 as the reporting period:

Number of hospitals by State with reporting period ending other than June 30, 1977

State	Number of hospitals	Year ending
Total.....	103	
Alabama.....	3	9/30/77
Arkansas.....	1	1/1/77 Hospital Closed
California...	2	12/31/77
Connecticut..	1	12/31/77
Wash. D.C....	1	9/30/77
Florida.....	1	10/76 - 6/77 Opened 10/76
Idaho.....	2	12/31/77
Illinois.....	6	12/31/77
Iowa.....	1	12/31/77
Kentucky.....	1	12/31/77
Louisiana....	2	12/31/77
	1	1/77- 6/30/77 Opened during yr.
Massachusetts	1	12/31/77
Michigan.....	7	9/30/77
	1	12/31/77
	2	Opened during year
	1	Closed during year
Minnesota....	1	9/30/77
New Jersey...	5	12/31/77

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State	Number of hospitals	Year ending
New York.....	1	Opened during year
	1	Closed during year
	1	12/31/77
	35	3/31/77
Ohio.....	6	12/31/77
Oregon.....	1	12/31/77
Pennsylvania.	4	12/31/77
Texas.....	1	Closed during year
	9	8/31/77
Virginia.....	1	Opened during year
Washington...	1	12/31/77
Wisconsin....	2	Closed during year

4/ Both nonrespondent hospitals and those respondent hospitals which did not report certain items were contacted by phone and asked to provide these items as follows: (1) type of control; (2) setting in which services were provided (e.g., inpatient, outpatient, day treatment); (3) inpatient beds; (4) inpatient additions; (5) inpatients at end of reporting year; (6) outpatient additions; (7) day treatment additions; (8) total expenditures; and (9) total staff and staff hours for persons employed during a sample week. For the few hospitals for which information on one or more of these items could not be obtained by phone, data items for the previous 1976-77 Inventory was used or if this too were unavailable the average for State mental hospitals in the same geographic region as defined by the U.S. Department of Health and Human Services (DHHS) was used.

5/ The population used in the calculation of rates given in this report is unpublished estimates of the civilian population by State as of July 1, 1977 provided by the Bureau of the Census.

6/ For FY 1977 approximately 11 percent of the inpatients at the end of year in St. Elizabeth's Hospital were nonresidents of the District of Columbia.

7/ A series of NIMH reports present the distribution of beds in State and county mental hospitals as of January 1970, 1972, 1974, and 1976 and 1978 respectively:

National Institute of Mental Health. "Distribution of Psychiatric Beds by Geographic Division - 1970." Statistical Note 45, April 1971.

____ "State and Regional Distribution of Psychiatric Beds in 1974." Statistical Note 118, July 1975.

____ "State and Regional Distribution of Psychiatric Beds in 1976." Statistical Note 144, February 1978.

____ "State and Regional Distribution of Psychiatric Beds in 1978." Statistical Note 155, (in press).

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8/ The Preliminary Survey form, which was used prior to 1976, obtained information on expenditures, and caseload for inpatient care. Thus, it was possible to calculate expenditures per patient day for inpatient care. Such calculations are not possible from the data collected by the Inventory of Mental Health Facilities since expenditures reported on the Inventory reflect the entire hospital operation not solely inpatient care.

To relate expenditure data for the entire hospital to inpatient caseload data results in an inflated estimate of cost per inpatient day. This is particularly so for State mental hospitals with large ambulatory care programs. Consequently, trend data for expenditures per patient day have been omitted except for the United States. For the U.S. estimates were derived by computing estimates for outpatient and day treatment and subtracting these from the total.

9/ National Institute of Mental Health, State and County Mental Hospitals, United States 1973-74, DHEW Publication No. (ADM 76-301), Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402, 1976.

10/ Between 1976 and 1977 the number of State and county mental hospitals identified by NIMH decreased from 300 to 297 (4 percent). As shown in the table below this marks the fourth consecutive year in which the net or total number of such facilities has decreased. This appears to be the start of a national trend whereby State mental hospitals are being closed, merged with other hospitals, or converted to other facility types at a faster rate than new hospitals are opened. During FY 1977, 15 State hospitals no longer reported data as they were closed, converted to other facility types, or merged with another hospital. Twelve hospitals were added -- eleven which opened during the year and another had not been previously identified by NIMH.

Trends in number of State and county mental hospitals: United States, 1970-1977

Year	Number of operating hospitals at end of period	Number closed a/ during reporting year	Added		Net change in percent
			New facility	Newly identified	
1976-77	297	15	11	1	- 3%
1975-76	300	15	1	1	-13
1974-75	313	16	4	2	-10
1973-74	323	13	-	2	-11
1972-73	334	7	11	3	7
1971-72	327	2	5	3	6
1970-71	**321**	**4**	**7**	**3**	**6**

a/ This category includes hospitals which changed from State to other types of control, hospitals which merged with other hospitals or hospitals which were converted to other facility types such as nursing homes.

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11/ Preliminary estimates for 1978 suggest that this is a one-time anomaly since the 390,136 additions for 1978 represent a decrease of 24,371 additions (6 percent) from 414,507 in 1977.

12/ The Preliminary Survey form, which was used prior to 1976 obtained information on FTE staff and caseload for inpatient care. Thus it was possible to calculate staff to patient ratios for inpatient care. Such calculations are not possible from the information collected in the Inventory on which this report is based since the staff data are for the entire hospital while the caseload data would be for inpatient units only. This would result in an overstatement of the staff to patient ratios in those hospitals which had large noninpatient components.

Appendix
DEFINITION OF TERMS

I. Hospital Subtype

A. Children's Hospitals. -- Hospitals exclusively for persons 18 years of age and under.

B. Security Hospitals. -- Hospitals exclusively for the "criminally insane."

C. County Hospitals. -- Hospitals operated by county governments in Wisconsin.

D. "Traditional" Hospitals. -- Hospitals under State or joint State and county ownership which are not exclusively for children or for the "criminally insane."

II. Types of Service Settings

A. Inpatient Treatment. -- Provision of mental health treatment to persons requiring 24-hour supervision.

B. Outpatient Treatment. -- Provision of mental health treatment on an outpatient basis to persons who do not require either full-time or partial hospitalization.

C. Day Treatment. -- Provision of planned therapeutic services during most or all of the day to persons who need broader programs than are possible through outpatient visits.

D. Other Partial Hospitalization. -- Provision of planned therapeutic services during the evening, night, or weekend to persons who do not require full-time hospitalization but who need broader services than are possible through outpatient visits.

E. Halfway House. -- Provision of services which prepare a previously hospitalized patient for return to home and community environment by providing transitional living quarters and assistance in the activities of daily living or to prevent possible hospitalization.

F. Emergency Services. -- Services (exclusive of those providing only beds and those primarily for drug and alcohol abuse), the purpose of which is to provide psychiatric care in emergency situations by staff specifically assigned for this purpose.

III. Patient Movement and Beds - Inpatient Treatment

A. Inpatients at Beginning of Year. -- Includes all persons who were physically present for 24 hours in the inpatient service at the beginning of the year, or who were away on short visits as long as they were expected to return to the inpatient service, or who were on unauthorized absence, AWOL or escape.

B. Additions During Year. -- Includes admissions and readmissions as well as returns from long-term leave and transfers from noninpatient components of the same hospital.

C. Transfers In. -- Transfers to a given State hospital from other hospitals in the State mental health system.

D. Transfers Out. -- Transfers from a given State hospital to other hospitals in the State mental health system.

E. Deaths in Hospital During Year. -- Includes those persons who died while under inpatient care or while away on short visits.

F. Discontinuations During Year. -- Includes persons discharged (excluding deaths) as well as those placed on long-term leave and transferred to noninpatient components of the same hospital.

G. Inpatients at End of Year. -- Includes all persons who were physically present for 24 hours in the inpatient service at the end of the year, or who were away on short visits as long as they were expected to return to the inpatient service, or who were on unauthorized absence, AWOL or escape.

H. Inpatient Care Episodes. -- Inpatient care episodes are calculated in this report by taking the number of residents in inpatient treatment of State mental hospitals at the beginning of the year plus the total additions to these facilities during the year. Total additions during the year include new admissions, readmissions, and returns from long-term leave.

I. Inpatient Beds. -- The number of inpatient beds in a given hospital set up and staffed for use as of December 31, 1977.

IV. Utilization Indices - Inpatient Treatment Setting

A. Average Daily Inpatient Census (ADC). -- Average daily inpatient census is calculated in this report by taking the total annual inpatient days and dividing by the number of days in the year (365 in 1977).

B. Addition Rates per 100,000 Civilian Population. -- The rate of additions per 100,000 civilian population provides an index of the proportion of people coming under care during the year. This rate is based on a duplicated count as the same person may have been admitted two or more times during the same year. The number of inpatients at the end of the year per 100,000 civilian population provides an estimate of the proportion of the population under care at one point in time.

C. Patient Movement Ratios per 1,000 Average Daily Census. -- These ratios provide indexes of the amount and type of patient movement activity that occurred during the year by relating the average

resident population to three movement categories: total additions, discontinuations, and deaths. It should be kept in mind that the ratios shown in this publication are based on totals and are not standardized for such important variables as age, sex, diagnosis, and length of hospitalization.

V. Additions - Noninpatient Settings

A. Outpatient Additions. -- Any person admitted to the outpatient program or transferred to this program from another program of this facility during the year.

B. Day Treatment Additions. -- Any person admitted to the day treatment program or transferred to this program from another program of this facility during the year.

VI. Staffing

A. Full-time Employees. -- Full-time employees include persons employed 35 or more hours a week (excluding trainees). Schoolteachers are counted as full-time if they were employed 30 hours or more a week.

B. Part-time Employees. -- Part-time employees include persons employed less than 35 hours a week (excluding trainees).

C. Trainees. -- "Trainees" include trainees, residents and interns, regardless of the number of hours worked in a week.

D. Professional Patient Care Staff. -- Professional patient care staff includes psychiatrists, nonpsychiatric physicians, psychologists, social workers, registered nurses, other mental helath professionals (e.g., occupational therapists, vocational rehabilitation counselors, and other mental helath professionals at the B.A. level and above), and other health professionals (e.g., dieticians, dentists, dental technicians, and pharmacists).

E. Other Patient Care Staff. -- Other patient care staff includes licensed practical and vocational nurses, mental health workers less than a B.A. degree.

F. Administrative and Maintenance Staff. -- Administrative and maintenance staff includes administrative and other professional (nonhealth) staff (e.g., accountants, business administrator) as well as clerical and maintenance staff.

G. Patient Care Staff. -- Patient care staff includes all staff with the exception of administrative and maintenance staff (see definition above).

H. Staff Hour. -- A staff hour is a unit of one hour's work by one employee.

I. Full-time Equivalents. -- Full-time equivalents are calculated by taking the total person hours worked by full-time employees, part-time employees, and trainees in each staff discipline divided by 40 hours to indicate the number of persons working a 40-hour week to provide this many person hours.

VII. Expenditures and Expenditure Indices

A. Total Expenditures. -- Total expenditures are expenditures for the entire hospital and not just the inpatient programs. Included in total expenditures are personnel expenditures, other operating expenditures and capital expenditures.

B. Maintenance Expenditures. -- Maintenance expenditures are total expenditures (see above definition) minus capital expenditures.

Table 1. Distribution of State and county mental hospitals by combinations of service settings by State: United States, January 1978

State	Number of hospitals	Inpatient treatment only	Inpatient & outptnt. treatment	Inpatient treatment & partial hospitalization	Inptnt. trtmt., outptnt. treatment & partial hospitalization
U.S. totals...	297	155	36	22	84
Alabama.....	4	3	1	-	-
Alaska.....	1	1	-	-	-
Arizona.....	1	1	-	-	-
Arkansas.....	2	1	1	-	-
California....	6	5	-	-	-
Colorado.....	3	-	-	-	3
Connecticut...	6	4	2	-	-
Delaware.....	2	2	-	-	-
Dist. of Col..	1	-	-	-	1
Florida.....	6	5	-	1	-
Georgia.....	8	6	-	1	1
Hawaii.....	1	1	-	-	-
Idaho.....	2	2	-	-	-
Illinois.....	17	11	1	3	2
Indiana.....	8	4	-	-	4
Iowa.....	5	1	3	-	1
Kansas.....	3	3	-	-	-
Kentucky.....	5	4	1	-	-
Louisiana.....	4	4	-	-	-
Maine.....	2	2	-	-	-
Maryland.....	5	3	-	-	2
Massachusetts.	9	3	1	3	2
Michigan.....	14	4	4	2	4
Minnesota.....	7	6	-	-	1
Mississippi...	2	2	-	-	-
Missouri.....	8	-	2	-	6
Montana.....	1	1	-	-	-
Nebraska.....	4	2	-	1	1
Nevada.....	2	2	-	-	-
New Hampshire.	1	-	-	-	1
New Jersey....	10	6	3	-	1
New Mexico....	1	-	1	-	-
New York.....	38	4	1	2	31
North Carolina	4	2	1	-	1
North Dakota..	1	-	-	1	-
Ohio.....	18	12	4	1	1
Oklahoma.....	3	-	2	-	1
Oregon.....	3	3	-	-	-
Pennsylvania..	20	17	-	2	1
Rhode Island..	1	-	-	1	-
South Carolina	3	2	-	-	1
South Dakota..	1	1	-	-	-
Tennessee.....	5	-	1	-	4
Texas.....	11	2	5	-	4
Utah.....	1	1	-	-	-
Vermont.....	1	1	-	-	-
Virginia.....	10	6	1	1	2
Washington....	2	1	-	1	-
West Virginia.	7	7	-	-	-
Wisconsin.....	16	6	1	2	7
Wyoming.....	1	1	-	-	-

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Table 2. Distribution of number of inpatient beds in State and county mental hospitals, by State: United States, January 1972, 1976, and 1978

State	Number of beds			Percent change		
	Jan. 1972	Jan. 1976	Jan. 1978	1972-76	1976-78	1972-78
U.S. totals...	360,178	222,202	184,079	-38.3%	-17.2%	-48.9%
Alabama.....	6,502	2,928	2,776	-55.0	- 5.2	-57.3
Alaska.....	225	175	127	-22.2	-27.4	-43.6
Arizona.....	1,050	844	764	-19.6	- 9.5	-27.2
Arkansas.....	1,353	892	855	-34.1	- 4.1	-36.8
California....	15,090	9,804	8,100	-35.0	-17.4	-46.3
Colorado.....	1,519	1,244	1,191	-18.1	- 4.3	-21.6
Connecticut...	4,940	3,603	3,320	-27.1	- 7.9	-32.8
Delaware.....	1,388	833	770	-40.0	- 7.6	-44.5
Dist. of Col..	3,520	2,726	1,924	-22.6	-29.4	-45.3
Florida.....	10,440	6,857	6,762	-34.3	- 1.4	-35.2
Georgia.....	10,119	7,813	5,961	-22.8	-23.7	-41.1
Hawaii.....	477	235	199	-50.7	-15.3	-58.3
Idaho.....	380	267	206	-29.7	-22.8	-45.8
Illinois.....	16,431	7,606	6,884	-53.7	- 9.5	-58.1
Indiana.....	8,805	5,678	4,391	-35.5	-22.7	-50.1
Iowa.....	1,838	1,539	1,470	-16.3	- 4.5	-20.0
Kansas.....	1,888	1,630	1,425	-13.7	-12.6	-24.5
Kentucky.....	2,740	1,485	932	-45.8	-37.2	-66.0
Louisiana.....	4,737	3,383	3,195	-28.6	- 5.6	-32.6
Maine.....	2,495	1,134	835	-54.5	-26.4	-66.5
Maryland.....	7,818	5,291	4,708	-32.3	-11.0	-39.8
Massachusetts.	12,748	6,184	5,227	-51.5	-15.5	-59.0
Michigan.....	12,486	6,326	5,375	-49.3	-15.0	-57.0
Minnesota.....	11,395	4,077	2,954	-64.2	-27.5	-74.1
Mississippi...	5,543	4,646	3,235	-16.2	-30.4	-41.6
Missouri.....	7,557	4,494	4,486	-40.5	- 0.2	-40.6
Montana.....	1,422	1,109	701	-22.0	-36.8	-50.7
Nebraska.....	1,905	1,070	863	-43.8	-19.3	-54.7
Nevada.....	488	451	150	- 7.6	-68.7	-69.3
New Hampshire.	1,992	1,233	1,029	-38.1	-16.5	-48.3
New Jersey....	16,718	11,722	7,843	-29.9	-33.1	-53.1
New Mexico....	391	519	360	+32.7	-30.6	- 7.9
New York.....	61,581	38,863	31,687	-36.9	-18.5	-48.5
North Carolina	8,055	5,557	5,011	-31.0	- 9.8	-37.8
North Dakota..	969	826	800	-14.8	- 3.1	-17.4
Ohio.....	18,730	11,159	7,768	-40.4	-30.4	-58.5
Oklahoma.....	3,513	2,643	2,674	-24.8	+ 1.2	-23.9
Oregon.....	1,773	1,529	1,770	-13.8	+15.8	- 0.2
Pennsylvania..	27,624	17,662	14,877	-36.1	-15.8	-46.1
Rhode Island..	2,035	1,738	1,413	-14.6	-18.7	-30.6
South Carolina	6,332	4,408	3,906	-30.4	-11.4	-38.3
South Dakota..	1,449	791	767	-45.4	- 3.0	-47.1
Tennessee.....	6,048	4,444	4,039	-26.5	- 9.1	-33.2
Texas.....	13,351	9,643	7,027	-27.8	-27.1	-47.4
Utah.....	324	340	363	+ 4.9	+ 6.8	+12.0
Vermont.....	1,066	485	417	-54.5	-14.0	-60.9
Virginia.....	12,461	7,570	6,928	-39.3	- 8.5	-44.4
Washington....	3,102	1,411	1,375	-54.5	- 2.6	-55.7
West Virginia.	4,466	3,471	2,730	-22.3	-21.3	-38.9
Wisconsin.....	10,386	1,492	1,144	-85.6	-23.3	-89.0
Wyoming.....	513	372	365	-27.5	- 1.9	-28.8

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Table 3. Number of inpatient beds per 100,000 civilian population in State and county mental hospitals, by State: United States, January 1976, 1977, and 1978

State	Beds per 100,000 population			Percent change		
	Jan. 1972	Jan. 1976	Jan. 1978	1972-76	1976-78	1972-78
U.S. totals...	172.9	104.7	85.4	-39.4%	-18.4%	-50.6
Alabama.....	186.5	81.0	75.2	-56.6	- 7.2	-59.7
Alaska.....	75.5	50.3	33.0	-33.4	-34.4	-56.3
Arizona.....	54.8	38.1	33.1	-30.5	-13.1	-39.6
Arkansas.....	68.7	42.5	39.8	-38.1	- 6.4	-42.1
California....	75.0	46.5	37.1	-38.0	-20.2	-50.5
Colorado.....	65.6	49.5	45.5	-24.5	- 8.1	-30.6
Connecticut...	161.2	116.4	107.4	-27.8	- 7.9	-33.5
Delaware.....	248.3	144.6	133.2	-41.8	- 7.9	-46.4
Dist. of Col..	477.0	390.5	285.0	-18.1	-27.0	-40.3
Florida.....	145.7	83.0	80.0	-43.0	- 3.6	-45.1
Georgia.....	216.9	159.5	119.1	-26.5	-25.3	-45.1
Hawaii.....	62.8	28.6	23.6	-54.5	-17.5	-62.4
Idaho.....	50.6	32.7	23.8	-35.4	-27.2	-53.0
Illinois.....	146.5	68.1	61.4	-53.5	- 9.8	-58.1
Indiana.....	166.7	107.2	39.2	-35.7	-63.4	-76.5
Iowa.....	63.8	53.7	50.8	-15.8	- 5.4	-20.4
Kansas.....	84.8	71.9	61.7	-15.2	-14.2	-27.2
Kentucky.....	83.8	44.1	27.1	-47.4	-38.5	-67.7
Louisiana.....	128.5	89.2	81.5	-30.6	- 8.6	-36.6
Maine.....	245.3	107.6	77.2	-56.7	-28.3	-68.5
Maryland.....	195.7	129.5	114.8	-33.8	-11.4	-41.3
Massachusetts.	221.1	106.7	90.7	-51.7	-15.0	-59.0
Michigan.....	137.7	69.6	58.8	-49.5	-15.5	-57.3
Minnesota.....	292.7	103.5	73.9	-64.6	-28.6	-74.8
Mississippi...	247.3	199.9	136.0	-19.2	-32.0	-45.0
Missouri.....	160.0	94.6	93.4	-40.9	- 1.3	-41.6
Montana.....	199.4	149.1	91.5	-25.2	-38.6	-54.1
Nebraska.....	125.9	69.5	55.5	-44.8	-20.1	-55.9
Nevada.....	94.0	76.3	23.4	-18.8	-69.3	-75.1
New Hampshire.	259.7	151.9	120.3	-41.5	-20.8	-53.7
New Jersey....	228.4	160.4	107.4	-29.8	-33.0	-53.0
New Mexico....	37.2	45.6	30.2	+22.6	-33.8	-18.8
New York.....	335.8	215.3	177.9	-35.9	-17.4	-47.0
North Carolina	157.3	103.8	91.9	-34.0	-11.5	-41.6
North Dakota..	156.3	131.5	124.2	-15.9	- 5.6	-20.5
Ohio.....	173.9	104.3	72.6	-40.0	-30.4	-58.3
Oklahoma.....	134.8	97.5	95.5	-27.7	- 2.1	-29.2
Oregon.....	81.4	66.4	73.4	-18.4	+10.5	- 9.8
Pennsylvania..	231.8	149.1	126.4	-35.7	-15.2	-45.5
Rhode Island..	217.2	186.9	151.8	-14.0	-18.8	-30.1
South Carolina	243.8	159.7	138.4	-34.5	-13.3	-43.2
South Dakota..	215.3	116.8	112.0	-45.8	- 4.1	-48.0
Tennessee.....	150.7	106.5	94.0	-29.3	-11.7	-37.6
Texas.....	116.1	79.0	54.9	-32.0	-30.5	-52.7
Utah.....	28.9	28.1	28.2	- 2.8	+ 0.4	- 2.4
Vermont.....	230.7	102.3	85.4	-55.7	-16.2	-63.0
Virginia.....	270.7	155.8	138.4	-42.4	-11.2	-48.9
Washington....	91.1	40.0	37.4	-56.1	- 6.5	-58.9
West Virginia.	250.9	191.7	146.7	-23.6	-23.5	-41.5
Wisconsin.....	229.9	32.5	24.5	-85.9	-24.6	-89.3
Wyoming.....	150.4	98.2	88.4	-34.7	-10.0	-41.2
Median.....	157.3	98.2	80.0	---	---	---

--- Data not applicable

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Table 4. Patient movement and caseload for inpatient treatment in State and county mental hospitals, by State: United States, 1977

State	Number of hospitals	Inpatients at beginning of year	Additions	Transfers within mental health system		Discontinuations	Deaths	Inpatients at end of year
				In	Out			
U.S. totals...	297	170,051	414,507	17,242	17,484	415,314	9,597	159,405
Alabama.....	4	2,536	3,378	33	27	3,615	109	2,196
Alaska.....	1	102	823	-	-	821	2	102
Arizona.....	1	646	1,494	-	-	1,460	38	642
Arkansas.....	2	388	2,305	12	10	2,330	14	351
California....	6	8,377	23,582	925	836	24,943	124	6,981
Colorado.....	3	999	6,873	38	16	6,686	57	1,151
Connecticut...	6	2,880	13,769	103	146	13,779	122	2,705
Delaware.....	2	727	1,859	46	21	1,874	49	688
Dist. of Col..	1	2,595	5,209	-	-	5,312	148	2,344
Florida.....	6	5,894	8,498	95	52	7,794	533	6,108
Georgia.....	8	5,551	32,446	-	-	32,505	60	5,432
Hawaii.....	1	176	891	-	-	926	6	135
Idaho.....	2	194	645	4	3	643	7	190
Illinois.....	17	6,208	24,788	4,203	3,978	24,934	238	6,049
Indiana.....	8	4,270	7,896	217	209	7,984	171	4,019
Iowa.....	5	1,135	5,517	22	15	5,441	38	1,180
Kansas.....	3	1,239	4,032	51	18	4,018	33	1,253
Kentucky.....	5	1,097	3,471	102	2	3,725	57	886
Louisiana.....	4	2,245	8,772	2	2	8,846	72	2,099
Maine.....	2	673	1,510	8	7	1,485	36	663
Maryland.....	5	4,209	10,945	229	219	10,873	279	4,012
Massachusetts.	9	4,594	11,937	408	521	11,963	185	4,270
Michigan.....	14	4,439	18,127	999	1,086	17,675	124	4,680
Minnesota.....	7	2,530	7,388	790	795	7,498	62	2,353
Mississippi...	2	2,615	5,488	15	34	5,539	138	2,407

Table 4. Patient movement and caseload for inpatient treatment in State and county mental hospitals, by State: United States, 1977 (Continued)

State	Number of hospitals	Inpatients at beginning of year	Additions	Transfers within mental health system		Discontinuations	Deaths	Inpatients at end of year
				In	Out			
Missouri.....	8	3,303	18,392	582	546	17,412	415	3,904
Montana.....	1	668	1,166	-	-	1,324	20	490
Nebraska.....	4	621	4,121	48	55	4,023	20	692
Nevada.....	2	243	826	6	7	854	8	206
New Hampshire.	1	912	1,249	-	-	1,336	41	784
New Jersey....	10	7,629	12,550	174	176	12,667	711	6,799
New Mexico....	1	312	1,329	122	97	1,326	28	312
New York.....	38	32,503	38,276	4,067	4,102	38,295	2,327	30,122
North Carolina	4	4,194	15,776	927	1,165	15,337	333	4,062
North Dakota..	1	585	2,360	-	-	2,298	32	615
Ohio.....	18	8,125	17,454	628	727	18,189	423	6,868
Oklahoma.....	3	2,105	8,122	736	701	8,077	98	2,087
Oregon.....	3	1,486	6,439	58	56	6,425	35	1,467
Pennsylvania..	20	13,334	6,496	340	346	6,802	787	12,235
Rhode Island..	1	1,347	4,302	-	-	4,257	38	1,354
South Carolina	3	3,658	5,027	117	155	4,853	267	3,527
South Dakota..	1	645	1,322	-	-	1,290	52	625
Tennessee.....	5	3,898	7,838	44	44	7,819	223	3,694
Texas.....	11	6,408	24,440	311	366	24,938	277	5,578
Utah.....	1	315	686	-	-	606	58	337
Vermont.....	1	373	630	-	-	634	13	356
Virginia.....	10	5,995	12,369	593	770	11,944	450	5,793
Washington....	2	1,266	3,503	3	11	3,498	60	1,203
West Virginia.	7	2,604	3,822	184	163	3,922	149	2,376
Wisconsin.....	16	932	3,539	-	-	3,717	7	747
Wyoming.....	1	271	830	-	-	802	23	276

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Table 5. Patient movement rates and ratios for inpatient treatment in State and county mental hospitals, by State: United States, 1977

State	Rate per 100,000 civilian resident population		Rate per 1,000 average daily resident patients			Discontinuations and deaths per 1,000 additions
	Additions	Inpatients at end of year	Additions	Discontinuations	Deaths	
U.S. totals...	192	74	2,587	2,593	60	1,025
Alabama.....	92	60	1,383	1,480	45	1,102
Alaska.....	214	26	7,219	7,202	18	1,000
Arizona.....	65	28	2,390	2,336	61	1,003
Arkansas.....	107	16	5,895	5,959	36	1,017
California....	108	32	3,448	3,647	18	1,063
Colorado.....	263	44	7,367	7,166	61	981
Connecticut...	444	87	5,221	5,225	46	1,010
Delaware.....	322	119	2,663	2,685	70	1,034
Dist. of Col..	772	347	2,306	2,351	66	1,048
Florida.....	100	72	1,364	1,251	86	980
Georgia.....	649	109	6,641	6,653	12	1,004
Hawaii.....	106	16	5,604	5,824	38	1,046
Idaho.....	74	22	3,644	3,633	40	1,008
Illinois.....	221	54	4,237	4,262	41	1,015
Indiana.....	148	75	2,026	2,048	44	1,033
Iowa.....	191	41	5,025	4,955	35	993
Kansas.....	174	54	3,747	3,734	31	1,005
Kentucky.....	101	26	5,016	5,383	82	1,090
Louisiana.....	224	54	3,993	4,026	33	1,017
Maine.....	140	61	2,393	2,353	57	1,007
Maryland.....	267	98	2,719	2,701	69	1,019
Massachusetts.	207	74	2,709	2,715	42	1,018
Michigan.....	198	51	4,054	3,953	28	982
Minnesota.....	185	59	3,145	3,192	26	1,023
Mississippi...	231	101	2,140	2,081	54	1,034
Missouri.....	383	81	5,371	5,085	121	969
Montana.....	152	64	2,128	2,416	36	1,153
Nebraska.....	265	45	6,712	6,552	33	981
Nevada.....	129	32	3,990	4,126	39	1,044
New Hampshire.	146	92	1,591	1,702	52	1,102
New Jersey....	172	93	1,774	1,790	100	1,066
New Mexico....	112	26	3,944	3,935	83	1,019
New York.....	215	169	1,335	1,335	81	1,061
North Carolina	289	75	3,969	3,858	84	993
North Dakota..	366	95	3,901	3,798	53	987
Ohio.....	163	64	1,648	1,717	40	1,066
Oklahoma.....	290	75	3,810	3,788	46	1,007
Oregon.....	266	61	4,368	4,359	24	1,003
Pennsylvania..	55	104	515	540	62	1,168
Rhode Island..	462	145	3,374	3,339	30	998
South Carolina	178	125	1,447	1,397	77	1,019
South Dakota..	190	90	2,092	2,041	82	1,015
Tennessee.....	184	87	2,218	2,213	63	1,026
Texas.....	191	44	4,343	4,431	49	1,032
Utah.....	53	26	2,117	1,870	18	968
Vermont.....	129	73	2,006	1,854	38	1,027
Virginia.....	247	116	2,255	2,177	82	1,002
Washington....	104	33	3,020	3,016	52	1,016
West Virginia.	188	128	1,549	1,589	60	1,065
Wisconsin.....	76	16	3,893	4,089	8	1,052
Wyoming.....	201	67	3,168	3,061	88	994
Median.....	191	67	3,168	3,192	46	1,017

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Table 6. Outpatient and day treatment additions, State and county mental hospitals, by State: United States, 1977

State	Outpatient settings			Day treatment settings		
	Number of hospitals	Number of additions	Number per 100,000 population	Number of hospitals	Number of additions	Number per 100,000 population
U.S. totals...	120	106,912	49.6	104	10,631	4.9
Alabama.....	1	75	2.0	-	-	-
Alaska.....	-	-	-	-	-	-
Arizona.....	-	-	-	-	-	-
Arkansas.....	1	142	6.6	-	-	-
California....	1	638	2.9	-	-	-
Colorado.....	3	7,731	295.4	3	757	28.9
Connecticut...	2	676	21.8	-	-	-
Delaware.....	-	-	-	-	-	-
Dist. of Col..	1	3,437	509.2	1	28	4.1
Florida.....	-	-	-	1	19	0.2
Georgia.....	1	12	0.1	2	65	1.3
Hawaii.....	-	-	-	-	-	-
Idaho.....	-	-	-	-	-	-
Illinois.....	3	1,621	14.5	5	238	2.1
Indiana.....	4	1,432	26.8	4	142	2.7
Iowa.....	4	1,212	41.9	1	5	0.2
Kansas.....	-	-	-	-	-	-
Kentucky.....	1	131	3.8	-	-	-
Louisiana.....	-	-	-	-	-	-
Maine.....	-	-	-	-	-	-
Maryland.....	2	147	3.6	2	47	1.4
Massachusetts.	3	3,648	63.3	5	260	4.5
Michigan.....	8	9,634	105.3	6	438	4.8
Minnesota.....	1	1,138	28.5	1	1	0.0
Mississippi...	-	-	-	-	-	-
Missouri.....	8	12,415	258.4	6	672	14.0
Montana.....	-	-	-	-	-	-
Nebraska.....	1	966	62.2	2	206	13.3
Nevada.....	-	-	-	-	-	-
New Hampshire.	1	112	62.2	1	2	0.2
New Jersey....	4	4,293	58.8	1	52	0.7
New Mexico....	1	1,722	144.8	-	-	-
New York.....	32	29,652	166.5	33	5,350	30.0
North Carolina	2	179	3.3	1	111	2.0
North Dakota..	-	-	-	-	-	-
Ohio.....	5	2,999	28.0	2	325	3.0
Oklahoma.....	3	3,300	117.9	1	83	3.0
Oregon.....	-	-	-	-	-	-
Pennsylvania..	1	352	3.0	3	79	0.7
Rhode Island..	-	-	-	1	74	7.9
South Carolina	1	502	17.3	1	24	0.9
South Dakota..	-	-	-	-	-	-
Tennessee.....	5	1,261	29.6	4	104	2.4
Texas.....	9	14,950	116.9	4	573	4.5
Utah.....	-	-	-	-	-	-
Vermont.....	-	-	-	-	-	-
Virginia.....	3	438	8.7	3	101	2.0
Washington....	-	-	-	1	73	2.0
West Virginia.	-	-	-	-	-	-
Wisconsin.....	8	2,097	44.9	9	802	17.2
Wyoming.....	-	-	-	-	-	-

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Table 7. Selected caseload and staff data for State and county mental hospitals, by State: United States, 1977-78

State	Number of facilities	Annual No. of inpatnt. days	Aver. daily inpatient census	No. of resident inpatients under care during year	Full-time equiv. staff (all modal.)	FTE patient care staff as % of tot. (all modalities)
U.S. totals...	297	58,472,317	160,196	584,558	209,919	63.9
Alabama.....	4	891,330	2,442	5,914	2,771	61.9
Alaska.....	1	41,610	114	925	228	60.8
Arizona.....	1	228,125	625	2,140	899	64.6
Arkansas.....	2	142,623	391	2,693	1,122	50.3
California....	6	2,496,235	6,839	31,959	8,091	61.8
Colorado.....	3	340,672	933	7,872	2,080	58.1
Connecticut...	6	962,666	2,637	16,649	3,696	66.9
Delaware.....	2	254,770	698	2,586	1,045	56.7
Dist. of Col..	1	824,535	2,259	7,804	4,273	55.9
Florida.....	6	2,274,542	6,232	14,392	6,329	67.1
Georgia.....	8	1,783,320	4,886	37,997	8,499	56.6
Hawaii.....	1	58,035	159	1,067	303	64.0
Idaho.....	2	64,605	177	839	309	63.6
Illinois.....	17	2,135,250	5,850	30,996	10,146	61.5
Indiana.....	8	1,422,770	3,898	12,166	4,272	60.8
Iowa.....	5	400,770	1,098	6,652	1,805	66.4
Kansas.....	3	392,740	1,076	5,271	2,162	61.9
Kentucky.....	5	252,673	692	4,568	1,743	62.3
Louisiana.....	4	801,905	2,197	11,017	3,166	58.4
Maine.....	2	230,315	631	2,183	1,013	62.6
Maryland.....	5	1,469,490	4,026	15,154	4,839	65.9
Massachusetts.	9	1,608,149	4,406	16,531	6,482	63.5
Michigan.....	14	1,632,030	4,471	22,566	7,524	64.8
Minnesota.....	7	857,385	2,349	9,918	2,457	66.9
Mississippi...	2	936,225	2,565	8,103	2,220	64.8

Table 7. Selected caseload and staff data for State and county mental hospitals, by State: United States, 1977-78 (Continued)

State	Number of facilities	Annual No. of inpatnt. days	Aver. daily inpatient census	No. of resident inpatients under care during year	Full-time equiv. staff (all modal.)	FTE patient care staff as a % of tot. (all modalities)
Missouri.....	8	1,249,909	3,424	21,695	6,329	56.6
Montana.....	1	200,020	548	1,834	672	67.1
Nebraska.....	4	224,110	614	4,742	1,709	67.3
Nevada.....	2	75,555	207	1,069	303	61.5
New Hampshire.	1	286,525	785	2,161	1,504	60.9
New Jersey....	10	2,582,418	7,075	20,179	8,299	64.8
New Mexico....	1	123,005	337	1,641	675	59.8
New York.....	38	10,467,164	28,677	70,779	36,958	70.1
North Carolina	4	1,450,875	3,975	19,970	5,547	62.2
North Dakota..	1	220,825	605	2,945	725	72.1
Ohio.....	18	3,866,112	10,592	25,579	8,710	65.0
Oklahoma.....	3	778,180	2,132	10,227	2,533	63.9
Oregon.....	3	538,010	1,474	7,925	1,759	67.4
Pennsylvania..	20	4,601,108	12,606	19,830	14,267	61.1
Rhode Island..	1	465,375	1,275	5,649	1,235	67.1
South Carolina	3	1,268,010	3,474	8,685	3,520	69.3
South Dakota..	1	230,680	632	1,967	733	66.6
Tennessee.....	5	1,289,910	3,534	11,736	4,671	60.8
Texas.....	11	2,054,313	5,628	30,848	9,761	62.6
Utah.....	1	118,260	324	1,001	358	66.8
Vermont.....	1	124,830	342	1,003	578	65.9
Virginia.....	10	2,002,558	5,486	18,364	5,885	67.9
Washington....	2	423,400	1,160	4,769	1,355	65.5
West Virginia.	7	900,820	2,468	6,426	2,107	59.6
Wisconsin.....	16	331,945	909	4,471	1,887	67.3
Wyoming.....	1	95,630	262	1,101	365	68.6

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Table 8. Total expenditures and maintenance expenditures for State and county mental hospitals, by State: United States, 1977

State	Number of facilities	Total	Maintenance
U.S. totals...	297	$3,329,351,000	$3,226,263,000
Alabama.....	4	37,549,000	36,911,000
Alaska.....	1	6,439,000	6,439,000
Arizona.....	1	19,143,000	19,048,000
Arkansas.....	2	13,936,000	13,434,000
California....	6	163,386,000	160,720,000
Colorado.....	3	36,303,000	36,049,000
Connecticut...	6	50,218,000	49,716,000
Delaware.....	2	18,535,000	16,644,000
Dist. of Col..	1	89,107,000	87,592,000
Florida.....	6	78,611,000	76,253,000
Georgia.....	8	113,505,000	111,235,000
Hawaii.....	1	6,265,000	5,976,000
Idaho.....	2	5,235,000	5,013,000
Illinois.....	17	174,511,000	171,195,000
Indiana.....	8	67,193,000	63,565,000
Iowa.....	5	24,918,000	24,426,000
Kansas.....	3	28,563,000	27,928,000
Kentucky.....	5	20,141,000	20,121,000
Louisiana.....	4	38,290,000	37,562,000
Maine.....	2	12,201,000	12,177,000
Maryland.....	5	67,028,000	65,084,000
Massachusetts.	9	71,767,000	71,695,000
Michigan.....	14	150,047,000	147,946,000
Minnesota.....	7	41,102,000	40,280,000
Mississippi...	2	20,845,000	20,386,000
Missouri.....	8	77,413,000	75,091,000
Montana.....	1	13,878,000	13,559,000
Nebraska.....	4	20,912,000	20,766,000
Nevada.....	2	7,431,000	6,617,000
New Hampshire.	1	19,689,000	17,799,000
New Jersey....	10	140,629,000	137,535,000
New Mexico....	1	9,275,000	8,874,000
New York.....	38	692,574,000	669,026,000
North Carolina	4	79,453,000	75,719,000
North Dakota..	1	9,381,000	8,963,000
Ohio.....	18	153,285,000	129,986,000
Oklahoma.....	3	34,078,000	33,058,000
Oregon.....	3	27,205,000	26,676,000
Pennsylvania..	20	291,355,000	289,024,000
Rhode Island..	1	23,291,000	23,291,000
South Carolina	3	39,022,000	38,710,000
South Dakota..	1	7,995,000	7,938,000
Tennessee.....	5	55,465,000	54,245,000
Texas.....	11	108,310,000	105,169,000
Utah.....	1	5,930,000	5,696,000
Vermont.....	1	7,954,000	7,803,000
Virginia.....	10	67,090,000	63,601,000
Washington....	2	20,658,000	20,658,000
West Virginia.	7	20,788,000	20,497,000
Wisconsin.....	16	35,587,000	33,025,000
Wyoming.....	1	5,865,000	5,542,000

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Table 9. Number and percent change of patients in inpatient settings of State and county mental hospitals at end of each year: United States, 1971, 1975, and 1977

State	Number of inpatients			Percent change		
	1971	1975	1977	1971-75	1975-77	1971-77
U.S. totals...	308,024	193,436	159,405	-48.2	-17.6	-48.2
Alabama.....	5,915	2,534	2,196	-57.2	-13.3	-62.9
Alaska.....	153	115	102	-24.8	-11.3	-33.3
Arizona.....	999	673	642	-32.6	- 4.6	-35.7
Arkansas.....	979	421	351	-57.0	-16.6	-64.1
California....	11,042	9,405	6,981	-14.8	-25.8	-36.8
Colorado.....	1,448	1,298	1,151	-10.4	-11.3	-20.5
Connecticut...	4,680	3,299	2,705	-29.5	-18.0	-42.2
Delaware.....	1,294	853	688	-34.1	-19.3	-46.8
Dist. of Col..	3,459	2,825	2,344	-18.3	-17.0	-32.2
Florida.....	8,873	6,392	6,108	-28.0	- 4.4	-31.2
Georgia.....	9,357	6,507	5,432	-30.5	-16.5	-41.9
Hawaii.....	405	214	135	-47.2	-36.9	-66.7
Idaho.....	317	216	190	-31.9	-12.0	-40.1
Illinois.....	15,138	7,053	6,049	-53.4	-14.2	-60.0
Indiana.....	7,173	4,581	4,019	-36.1	-12.3	-44.0
Iowa.....	1,346	1,269	1,180	- 5.7	- 7.0	-12.3
Kansas.....	1,928	1,475	1,253	-23.5	-15.1	-35.0
Kentucky.....	2,540	686	886	-73.0	+29.2	-65.1
Louisiana.....	4,234	2,577	2,099	-39.1	-18.5	-50.4
Maine.....	2,523	786	663	-68.8	-15.6	-73.7
Maryland.....	6,883	5,244	4,012	-23.8	-23.5	-41.7
Massachusetts.	10,910	5,272	4,270	-51.7	-19.0	-60.9
Michigan.....	11,469	5,076	4,680	-55.7	- 7.8	-59.2
Minnesota.....	3,173	4,064	2,353	+28.1	-42.1	-25.8
Mississippi...	4,766	3,609	2,407	-24.3	-33.3	-49.5
Missouri.....	5,994	3,817	3,904	-36.3	+ 2.3	-34.9
Montana.....	1,167	904	490	-22.5	-45.8	-58.0
Nebraska.....	1,324	748	692	-43.5	- 7.5	-47.7
Nevada.....	225	264	206	+17.3	-22.0	- 8.4
New Hampshire.	1,857	1,184	784	-36.2	-33.8	-36.2
New Jersey....	14,403	9,467	6,799	-34.3	-28.2	-52.8
New Mexico....	388	337	312	-13.1	- 7.4	-19.6
New York.....	58,559	35,704	30,122	-39.0	-15.6	-48.6
North Carolina	7,060	4,642	4,062	-34.2	-12.5	-42.5
North Dakota..	701	592	615	-15.5	+ 3.9	-12.3
Ohio.....	15,561	9,903	6,868	-36.4	-30.6	-55.9
Oklahoma.....	3,034	2,239	2,087	-26.2	- 6.8	-31.2
Oregon.....	1,590	1,183	1,467	-25.6	+24.0	- 7.7
Pennsylvania..	22,720	15,005	12,235	-34.0	-18.5	-46.1
Rhode Island..	1,846	1,597	1,354	-13.5	-15.2	-26.7
South Carolina	5,631	4,097	3,527	-27.2	-13.9	-37.4
South Dakota..	1,163	673	625	-42.1	- 7.1	-46.3
Tennessee.....	5,888	4,292	3,694	-27.1	-13.9	-37.3
Texas.....	11,518	7,467	5,578	-35.2	-25.3	-51.6
Utah.....	292	297	337	+ 1.7	+13.5	+15.4
Vermont.....	990	489	356	-50.6	-27.2	-64.0
Virginia.....	10,595	6,473	5,793	-38.9	-10.5	-45.3
Washington....	2,552	1,266	1,203	-50.4	- 5.0	-52.9
West Virginia.	3,670	2,849	2,376	-22.4	-16.6	-35.3
Wisconsin.....	7,889	1,227	747	-84.4	-39.1	-90.5
Wyoming.....	403	276	276	-31.5	-	-31.5

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Table 10. Number and percent change of additions to inpatient services of State and county mental hospitals: United States, 1971, 1975, and 1977

State	Number of additions			Percent change		
	1971	1975	1977	1971-75	1975-77	1971-77
U.S. totals...	497,299	435,136	414,507	-12.5%	- 4.7%	-16.6%
Alabama.....	4,777	3,214	3,378	-32.7	+ 5.1	-29.3
Alaska.....	475	671	823	+41.3	+22.7	+73.3
Arizona.....	1,817	1,503	1,494	-17.3	- 0.6	-17.8
Arkansas.....	3,387	2,867	2,305	-15.4	-19.6	-31.9
California....	45,501	28,607	23,582	-37.1	-17.6	-48.2
Colorado.....	4,230	6,543	6,873	+54.7	+ 5.0	+62.5
Connecticut...	16,955	16,455	13,769	- 2.9	-16.3	-18.8
Delaware.....	2,878	2,039	1,859	-29.2	- 8.8	-35.4
Dist. of Col..	5,165	5,344	5,209	+ 3.5	- 2.5	+ 0.9
Florida.....	7,183	8,019	8,409	+11.6	+ 6.0	+18.3
Georgia.....	15,159	24,703	32,446	+63.0	+31.3	+114.0
Hawaii.....	1,340	791	891	-41.0	+12.6	-33.5
Idaho.....	1,176	1,146	645	- 2.6	-43.7	-45.2
Illinois.....	30,449	25,278	24,788	-17.0	- 1.9	-18.6
Indiana.....	11,246	8,698	7,896	-22.7	- 9.2	-29.8
Iowa.....	5,357	5,253	5,517	- 1.9	+ 5.0	+ 3.0
Kansas.....	4,922	4,327	4,032	-12.1	- 6.8	-18.1
Kentucky.....	6,479	1,263	3,471	-80.5	+174.8	-46.4
Louisiana.....	8,223	9,520	8,772	+15.8	- 7.9	+ 6.7
Maine.....	2,532	1,321	1,510	-47.8	+14.3	-40.4
Maryland.....	17,999	12,236	10,945	-32.0	-10.6	-39.2
Massachusetts.	22,840	13,383	11,937	-41.4	-10.8	-47.7
Michigan.....	14,369	14,924	18,127	+ 3.9	+21.5	+26.2
Minnesota.....	8,791	7,829	7,388	-10.9	- 5.6	-16.0
Mississippi...	5,961	5,950	5,488	- 0.2	- 7.8	- 7.9
Missouri.....	17,167	18,124	18,392	+ 5.6	+ 1.5	+ 7.1
Montana.....	3,042	1,962	1,166	-35.5	-40.6	-61.7
Nebraska.....	3,446	3,691	4,121	+ 7.1	+11.7	+19.6
Nevada.....	756	775	826	+ 2.5	+ 6.6	+ 9.3
New Hampshire.	2,408	1,197	1,249	-50.3	+ 4.3	-48.1
New Jersey....	16,093	13,844	12,550	-14.0	- 9.3	-22.0
New Mexico....	1,494	1,912	1,329	+28.0	-30.5	-11.0
New York.....	47,154	37,649	38,276	-20.2	+ 1.7	-18.8
North Carolina	16,254	17,733	15,776	+ 9.1	-11.0	- 2.9
North Dakota..	2,519	2,232	2,360	-11.4	+ 5.7	- 6.3
Ohio.....	26,505	19,939	17,454	-24.8	-12.5	-34.1
Oklahoma.....	6,831	7,758	8,122	+13.6	+ 4.7	+18.9
Oregon.....	6,728	5,265	6,439	-21.7	+22.3	- 4.3
Pennsylvania..	12,327	8,111	6,496	-34.2	-19.9	-47.3
Rhode Island..	5,124	5,025	4,302	- 1.9	-14.4	-16.0
South Carolina	6,406	4,729	5,027	-26.2	+ 6.3	-21.5
South Dakota..	1,624	1,735	1,322	+ 6.8	-23.8	-18.6
Tennessee.....	12,604	11,935	7,838	- 5.3	-34.3	-37.8
Texas.....	23,665	26,061	24,440	+10.1	- 6.2	+ 3.3
Utah.....	1,102	603	686	-45.3	+13.8	-37.7
Vermont.....	1,672	1,021	630	-38.9	-38.3	-62.3
Virginia.....	15,053	15,215	12,369	+ 1.1	-18.7	-17.8
Washington....	4,931	3,619	3,822	-26.6	+ 5.6	-22.5
West Virginia.	5,379	4,127	3,503	-23.3	-15.1	-34.9
Wisconsin.....	6,988	8,229	3,539	+17.8	-57.0	-49.4
Wyoming.....	816	761	830	- 6.7	+ 9.1	+ 1.7

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